

REMARKS/ARGUMENTS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the amendments and remarks herewith, which place the application into condition for allowance. The present amendment is being made to facilitate prosecution of the application.

I. STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 1-10, which are pending in this application. Claims 1 and 6 are independent. Support for this amendment is provided throughout the specification. No new matter has been introduced by this amendment. It is submitted that these claims, as originally presented, were in full compliance with the requirements of 35 U.S.C. §112. Changes to these claims, as presented herein, are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicant is entitled.

II. REJECTIONS UNDER 35 U.S.C. §103(a)

Claims 1-10 were rejected under 35 U.S.C. §103(a) as allegedly unpatentable over U.S. Patent No. 5,278,838 to Ng, et al. in view of U.S. Patent No. 5,758,057 to Baba, et al. and in further view of U.S. Patent No. 5,778,426 to DeKoning, et al.

Claim 1 recites, *inter alia*:

“...wherein an error is corrected and data is restored
by transferring reproduction request commands
from the input processing means to each of the
RAIDs other than the RAID that has the error, and
then using data blocks and parity data that is
transferred to the input processing means after

being produced each of the RAIDs other than the RAID that has the error to make restored data, and then transferring the restored data from the input processing means to the RAID that has the error.”
(emphasis added)

As understood by Applicant U.S. Patent No. 5,278,838 to Ng, et al. (hereinafter, merely “Ng”) relates to rebuilding data of an array to remove the degradation of fault tolerance in a redundant array of disk drives due to error conditions.

As understood by Applicant, U.S. Patent No. 5,758,057 to Baba, et al. (hereinafter, merely “Baba”) relates to the generation and transmission of data stored in a faulty disk drive when one of a plurality of disk drives is faulty due to an internal calibration error or an error of the disk drive, or when the faulty disk drive does not respond within a predetermined length of time set in a timeout table.

As understood by Applicants, U.S. Patent No. 5,778,426 to DeKoning, et al. (hereinafter, merely “DeKoning”) relates to methods and associated data structures operable in a RAID subsystem to improve I/O performance.

Applicant respectfully submits that nothing has been found in Ng, Baba, or DeKoning, taken alone or in combination, that would teach or suggest the above-identified features of independent claim 1.

Specifically, Applicant submits that Ng, Baba, and DeKoning fail to disclose or suggest that an error is corrected and data is restored by transferring reproduction request commands from the input processing means to each of the RAIDs other than the RAID that has the error, and then using data blocks and parity data that is transferred to the input processing means after being produced each of the RAIDs other than the RAID that has the error to make

restored data, and then transferring the restored data from the input processing means to the RAID that has the error, as recited in claim 1.

Therefore, claim 1 is patentable.

For reason similar to those described above, claim 6 is also believed to be patentable.

III. DEPENDENT CLAIMS

The other claims in this application are each dependent from one of the independent claims discussed above and are therefore believed patentable for at least the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

CONCLUSION

In the event the Examiner disagrees with any of statements appearing above with respect to the disclosure in the cited reference, or references, it is respectfully requested that the Examiner specifically indicate those portions of the reference, or references, providing the basis for a contrary view.

In view of the foregoing amendments and remarks, it is believed that all of the claims in this application are patentable and Applicant respectfully requests early passage to issue of the present application.

Please charge any additional fees that may be needed, and credit any overpayment, to our Deposit Account No. 50-0320.

Respectfully submitted,

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